



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

1 , 10 , 19 , 28 , 37 , 46 , 55 , 64    Rule: Add 9

Ex. 64

**1)** Find the next number in the pattern.

375 , 75 , 15 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

3 , 9 , 27 , 81 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

26 , 22 , 18 , 14 , 10 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

28 , 23 , 18 , 13 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

8 , 24 , 72 , 216 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

9 , 19 , 29 , 39 , 49 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

1 , 7 , 13 , 19 , 25 , 31 , 37 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

7 , 28 , 112 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

625 , 125 , 25 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

25 , 22 , 19 , 16 , 13 , 10 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

189 , 63 , 21 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

8 , 16 , 32 , 64 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

7 , 9 , 11 , 13 , 15 , 17 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

256 , 64 , 16 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

63 , 53 , 43 , 33 , 23 , 13 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 1, 10, 19, 28, 37, 46, 55, 64 Rule: Add 9
- 1)** Find the next number in the pattern.  
 375, 75, 15, 3 Rule: Divide 5
- 2)** Find the next number in the pattern.  
 3, 9, 27, 81, 243 Rule: Multiply 3
- 3)** Find the next number in the pattern.  
 26, 22, 18, 14, 10, 6 Rule: Subtract 4
- 4)** Find the next number in the pattern.  
 28, 23, 18, 13, 8 Rule: Subtract 5
- 5)** Find the next number in the pattern.  
 8, 24, 72, 216, 648 Rule: Multiply 3
- 6)** Find the next number in the pattern.  
 9, 19, 29, 39, 49, 59 Rule: Add 10
- 7)** Find the next number in the pattern.  
 1, 7, 13, 19, 25, 31, 37, 43 Rule: Add 6
- 8)** Find the next number in the pattern.  
 7, 28, 112, 448 Rule: Multiply 4
- 9)** Find the next number in the pattern.  
 625, 125, 25, 5 Rule: Divide 5
- 10)** Find the next number in the pattern.  
 25, 22, 19, 16, 13, 10, 7 Rule: Subtract 3
- 11)** Find the next number in the pattern.  
 189, 63, 21, 7 Rule: Divide 3
- 12)** Find the next number in the pattern.  
 8, 16, 32, 64, 128 Rule: Multiply 2
- 13)** Find the next number in the pattern.  
 7, 9, 11, 13, 15, 17, 19 Rule: Add 2
- 14)** Find the next number in the pattern.  
 256, 64, 16, 4 Rule: Divide 4
- 15)** Find the next number in the pattern.  
 63, 53, 43, 33, 23, 13, 3 Rule: Subtract 10

**Answers**

- Ex. 64
1. 3
2. 243
3. 6
4. 8
5. 648
6. 59
7. 43
8. 448
9. 5
10. 7
11. 7
12. 128
13. 19
14. 4
15. 3



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

2, 4, 8, 16, 32 Rule: Multiply 2

Ex. 32

**1)** Find the next number in the pattern.

189, 63, 21, \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

29, 24, 19, 14, 9, \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

6, 12, 24, \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

5, 14, 23, 32, 41, 50, \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

7, 9, 11, 13, 15, \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

4, 16, 64, 256, \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

18, 16, 14, 12, 10, 8, \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

16, 14, 12, 10, 8, 6, \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

512, 128, 32, 8, \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

5, 7, 9, 11, 13, 15, 17, \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

112, 56, 28, 14, \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

8, 15, 22, 29, 36, \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

48, 24, 12, \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

7, 21, 63, \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

22, 20, 18, 16, 14, 12, 10, \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

2 , 4 , 8 , 16 , 32 Rule: Multiply 2

Ex. 32

**1)** Find the next number in the pattern.

189 , 63 , 21 , 7 Rule: Divide 3

1. 7

**2)** Find the next number in the pattern.

29 , 24 , 19 , 14 , 9 , 4 Rule: Subtract 5

2. 4

**3)** Find the next number in the pattern.

6 , 12 , 24 , 48 Rule: Multiply 2

3. 48

**4)** Find the next number in the pattern.

5 , 14 , 23 , 32 , 41 , 50 , 59 Rule: Add 9

5. 17

**5)** Find the next number in the pattern.

7 , 9 , 11 , 13 , 15 , 17 Rule: Add 2

6. 1,024

**6)** Find the next number in the pattern.

4 , 16 , 64 , 256 , 1,024 Rule: Multiply 4

7. 6

**7)** Find the next number in the pattern.

18 , 16 , 14 , 12 , 10 , 8 , 6 Rule: Subtract 2

8. 4

**8)** Find the next number in the pattern.

16 , 14 , 12 , 10 , 8 , 6 , 4 Rule: Subtract 2

9. 2

**9)** Find the next number in the pattern.

512 , 128 , 32 , 8 , 2 Rule: Divide 4

10. 19

**10)** Find the next number in the pattern.

5 , 7 , 9 , 11 , 13 , 15 , 17 , 19 Rule: Add 2

11. 7

**11)** Find the next number in the pattern.

112 , 56 , 28 , 14 , 7 Rule: Divide 2

12. 43

**12)** Find the next number in the pattern.

8 , 15 , 22 , 29 , 36 , 43 Rule: Add 7

13. 6

**13)** Find the next number in the pattern.

48 , 24 , 12 , 6 Rule: Divide 2

14. 189

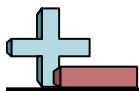
**14)** Find the next number in the pattern.

7 , 21 , 63 , 189 Rule: Multiply 3

15. 8

**15)** Find the next number in the pattern.

22 , 20 , 18 , 16 , 14 , 12 , 10 , 8 Rule: Subtract 2



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

32 , 27 , 22 , 17 , 12 , 7 , 2      Rule: Subtract 5

Ex. 2

**1)** Find the next number in the pattern.

3 , 6 , 12 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

52 , 45 , 38 , 31 , 24 , 17 , 10 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

2 , 6 , 18 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

7 , 15 , 23 , 31 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

72 , 36 , 18 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

48 , 24 , 12 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

192 , 48 , 12 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

6 , 12 , 24 , 48 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

37 , 28 , 19 , 10 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

9 , 14 , 19 , 24 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

7 , 14 , 28 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

1 , 7 , 13 , 19 , 25 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

56 , 47 , 38 , 29 , 20 , 11 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

10 , 18 , 26 , 34 , 42 , 50 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

1125 , 225 , 45 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

32 , 27 , 22 , 17 , 12 , 7 , 2 Rule: Subtract 5

Ex. 2

**1)** Find the next number in the pattern.

3 , 6 , 12 , 24 Rule: Multiply 2

1. 24

**2)** Find the next number in the pattern.

52 , 45 , 38 , 31 , 24 , 17 , 10 , 3 Rule: Subtract 7

2. 3

**3)** Find the next number in the pattern.

2 , 6 , 18 , 54 Rule: Multiply 3

3. 54

**4)** Find the next number in the pattern.

7 , 15 , 23 , 31 , 39 Rule: Add 8

4. 39

**5)** Find the next number in the pattern.

72 , 36 , 18 , 9 Rule: Divide 2

5. 9

**6)** Find the next number in the pattern.

48 , 24 , 12 , 6 Rule: Divide 2

6. 6

**7)** Find the next number in the pattern.

192 , 48 , 12 , 3 Rule: Divide 4

7. 3

**8)** Find the next number in the pattern.

6 , 12 , 24 , 48 , 96 Rule: Multiply 2

8. 96

**9)** Find the next number in the pattern.

37 , 28 , 19 , 10 , 1 Rule: Subtract 9

9. 1

**10)** Find the next number in the pattern.

9 , 14 , 19 , 24 , 29 Rule: Add 5

10. 29

**11)** Find the next number in the pattern.

7 , 14 , 28 , 56 Rule: Multiply 2

11. 56

**12)** Find the next number in the pattern.

1 , 7 , 13 , 19 , 25 , 31 Rule: Add 6

12. 31

**13)** Find the next number in the pattern.

56 , 47 , 38 , 29 , 20 , 11 , 2 Rule: Subtract 9

13. 2

**14)** Find the next number in the pattern.

10 , 18 , 26 , 34 , 42 , 50 , 58 Rule: Add 8

14. 58

**15)** Find the next number in the pattern.

1125 , 225 , 45 , 9 Rule: Divide 5

15. 9

**Answers**



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

135 , 45 , 15 , 5    **Rule: Divide 3**

Ex. 5

**1)** Find the next number in the pattern.

2 , 5 , 8 , 11 , 14 , 17 , 20 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

39 , 34 , 29 , 24 , 19 , 14 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

55 , 47 , 39 , 31 , 23 , 15 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

7 , 9 , 11 , 13 , 15 , 17 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

64 , 32 , 16 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

2 , 8 , 32 , 128 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

9 , 11 , 13 , 15 , 17 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

9 , 36 , 144 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

243 , 81 , 27 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

25 , 20 , 15 , 10 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

3 , 15 , 75 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

5 , 9 , 13 , 17 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

4 , 20 , 100 , 500 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

26 , 21 , 16 , 11 , 6 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

648 , 216 , 72 , 24 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

Ex) Find the next number in the pattern.

135 , 45 , 15 , 5 Rule: Divide 3

1) Find the next number in the pattern.

2 , 5 , 8 , 11 , 14 , 17 , 20 , 23 Rule: Add 3

2) Find the next number in the pattern.

39 , 34 , 29 , 24 , 19 , 14 , 9 Rule: Subtract 5

3) Find the next number in the pattern.

55 , 47 , 39 , 31 , 23 , 15 , 7 Rule: Subtract 8

4) Find the next number in the pattern.

7 , 9 , 11 , 13 , 15 , 17 , 19 Rule: Add 2

5) Find the next number in the pattern.

64 , 32 , 16 , 8 Rule: Divide 2

6) Find the next number in the pattern.

2 , 8 , 32 , 128 , 512 Rule: Multiply 4

7) Find the next number in the pattern.

9 , 11 , 13 , 15 , 17 , 19 Rule: Add 2

8) Find the next number in the pattern.

9 , 36 , 144 , 576 Rule: Multiply 4

9) Find the next number in the pattern.

243 , 81 , 27 , 9 Rule: Divide 3

10) Find the next number in the pattern.

25 , 20 , 15 , 10 , 5 Rule: Subtract 5

11) Find the next number in the pattern.

3 , 15 , 75 , 375 Rule: Multiply 5

12) Find the next number in the pattern.

5 , 9 , 13 , 17 , 21 Rule: Add 4

13) Find the next number in the pattern.

4 , 20 , 100 , 500 , 2,500 Rule: Multiply 5

14) Find the next number in the pattern.

26 , 21 , 16 , 11 , 6 , 1 Rule: Subtract 5

15) Find the next number in the pattern.

648 , 216 , 72 , 24 , 8 Rule: Divide 3

Answers

Ex. 5

1. 23

2. 9

3. 7

4. 19

5. 8

6. 512

7. 19

8. 576

9. 9

10. 5

11. 375

12. 21

13. 2,500

14. 1

15. 8





**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

77 , 67 , 57 , 47 , 37 , 27 , 17 , 7      Rule: Subtract 10

**Answers**

Ex. 7

**1)** Find the next number in the pattern.

40 , 20 , 10 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

7 , 21 , 63 , 189 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

6 , 18 , 54 , 162 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

10 , 12 , 14 , 16 , 18 , 20 , 22 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

7 , 13 , 19 , 25 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

4 , 6 , 8 , 10 , 12 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

20 , 18 , 16 , 14 , 12 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

729 , 243 , 81 , 27 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

3 , 8 , 13 , 18 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

2 , 6 , 18 , 54 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

216 , 72 , 24 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

56 , 46 , 36 , 26 , 16 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

16 , 8 , 4 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

3 , 9 , 27 , 81 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

28 , 22 , 16 , 10 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 77 , 67 , 57 , 47 , 37 , 27 , 17 , 7 Rule: Subtract 10
- 1)** Find the next number in the pattern.  
 40 , 20 , 10 , 5 Rule: Divide 2
- 2)** Find the next number in the pattern.  
 7 , 21 , 63 , 189 , 567 Rule: Multiply 3
- 3)** Find the next number in the pattern.  
 6 , 18 , 54 , 162 , 486 Rule: Multiply 3
- 4)** Find the next number in the pattern.  
 10 , 12 , 14 , 16 , 18 , 20 , 22 , 24 Rule: Add 2
- 5)** Find the next number in the pattern.  
 7 , 13 , 19 , 25 , 31 Rule: Add 6
- 6)** Find the next number in the pattern.  
 4 , 6 , 8 , 10 , 12 , 14 Rule: Add 2
- 7)** Find the next number in the pattern.  
 20 , 18 , 16 , 14 , 12 , 10 Rule: Subtract 2
- 8)** Find the next number in the pattern.  
 729 , 243 , 81 , 27 , 9 Rule: Divide 3
- 9)** Find the next number in the pattern.  
 3 , 8 , 13 , 18 , 23 Rule: Add 5
- 10)** Find the next number in the pattern.  
 2 , 6 , 18 , 54 , 162 Rule: Multiply 3
- 11)** Find the next number in the pattern.  
 216 , 72 , 24 , 8 Rule: Divide 3
- 12)** Find the next number in the pattern.  
 56 , 46 , 36 , 26 , 16 , 6 Rule: Subtract 10
- 13)** Find the next number in the pattern.  
 16 , 8 , 4 , 2 Rule: Divide 2
- 14)** Find the next number in the pattern.  
 3 , 9 , 27 , 81 , 243 Rule: Multiply 3
- 15)** Find the next number in the pattern.  
 28 , 22 , 16 , 10 , 4 Rule: Subtract 6

**Answers**

- Ex. 7
1. 5
2. 567
3. 486
4. 24
5. 31
6. 14
7. 10
8. 9
9. 23
10. 162
11. 8
12. 6
13. 2
14. 243
15. 4



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

35 , 29 , 23 , 17 , 11 , 5      Rule: Subtract 6

Ex. 5

**1)** Find the next number in the pattern.

37 , 31 , 25 , 19 , 13 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

72 , 36 , 18 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

192 , 48 , 12 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

18 , 16 , 14 , 12 , 10 , 8 , \_\_\_\_\_

5. \_\_\_\_\_

**5)** Find the next number in the pattern.

54 , 18 , 6 , \_\_\_\_\_

6. \_\_\_\_\_

**6)** Find the next number in the pattern.

8 , 40 , 200 , 1000 , \_\_\_\_\_

7. \_\_\_\_\_

**7)** Find the next number in the pattern.

48 , 41 , 34 , 27 , 20 , 13 , \_\_\_\_\_

9. \_\_\_\_\_

**8)** Find the next number in the pattern.

5 , 15 , 25 , 35 , 45 , 55 , \_\_\_\_\_

10. \_\_\_\_\_

**9)** Find the next number in the pattern.

7 , 35 , 175 , \_\_\_\_\_

11. \_\_\_\_\_

**10)** Find the next number in the pattern.

6 , 13 , 20 , 27 , 34 , 41 , 48 , \_\_\_\_\_

12. \_\_\_\_\_

**11)** Find the next number in the pattern.

729 , 243 , 81 , 27 , \_\_\_\_\_

13. \_\_\_\_\_

**12)** Find the next number in the pattern.

7 , 35 , 175 , 875 , \_\_\_\_\_

14. \_\_\_\_\_

**13)** Find the next number in the pattern.

7 , 13 , 19 , 25 , 31 , 37 , 43 , \_\_\_\_\_

**14)** Find the next number in the pattern.

5 , 9 , 13 , 17 , 21 , 25 , 29 , \_\_\_\_\_

**15)** Find the next number in the pattern.

8 , 32 , 128 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

35 , 29 , 23 , 17 , 11 , 5 Rule: Subtract 6

**1)** Find the next number in the pattern.

37 , 31 , 25 , 19 , 13 , 7 Rule: Subtract 6

**2)** Find the next number in the pattern.

72 , 36 , 18 , 9 Rule: Divide 2

**3)** Find the next number in the pattern.

192 , 48 , 12 , 3 Rule: Divide 4

**4)** Find the next number in the pattern.

18 , 16 , 14 , 12 , 10 , 8 , 6 Rule: Subtract 2

**5)** Find the next number in the pattern.

54 , 18 , 6 , 2 Rule: Divide 3

**6)** Find the next number in the pattern.

8 , 40 , 200 , 1000 , 5,000 Rule: Multiply 5

**7)** Find the next number in the pattern.

48 , 41 , 34 , 27 , 20 , 13 , 6 Rule: Subtract 7

**8)** Find the next number in the pattern.

5 , 15 , 25 , 35 , 45 , 55 , 65 Rule: Add 10

**9)** Find the next number in the pattern.

7 , 35 , 175 , 875 Rule: Multiply 5

**10)** Find the next number in the pattern.

6 , 13 , 20 , 27 , 34 , 41 , 48 , 55 Rule: Add 7

**11)** Find the next number in the pattern.

729 , 243 , 81 , 27 , 9 Rule: Divide 3

**12)** Find the next number in the pattern.

7 , 35 , 175 , 875 , 4,375 Rule: Multiply 5

**13)** Find the next number in the pattern.

7 , 13 , 19 , 25 , 31 , 37 , 43 , 49 Rule: Add 6

**14)** Find the next number in the pattern.

5 , 9 , 13 , 17 , 21 , 25 , 29 , 33 Rule: Add 4

**15)** Find the next number in the pattern.

8 , 32 , 128 , 512 Rule: Multiply 4

Answers

Ex. 5

1. 7

2. 9

3. 3

4. 6

5. 2

6. 5,000

7. 6

8. 65

9. 875

10. 55

11. 9

12. 4,375

13. 49

14. 33

15. 512



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

37 , 30 , 23 , 16 , 9 , 2      Rule: Subtract 7

**Answers**

Ex. 2

**1)** Find the next number in the pattern.

8 , 16 , 32 , 64 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

9 , 17 , 25 , 33 , 41 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

135 , 45 , 15 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

5 , 20 , 80 , 320 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

3 , 6 , 12 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

75 , 65 , 55 , 45 , 35 , 25 , 15 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

1 , 9 , 17 , 25 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

6 , 12 , 24 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

2 , 11 , 20 , 29 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

55 , 46 , 37 , 28 , 19 , 10 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

25 , 21 , 17 , 13 , 9 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

405 , 135 , 45 , 15 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

6 , 9 , 12 , 15 , 18 , 21 , 24 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

729 , 243 , 81 , 27 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

64 , 32 , 16 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 37 , 30 , 23 , 16 , 9 , 2 Rule: Subtract 7
- 1)** Find the next number in the pattern.  
 8 , 16 , 32 , 64 , 128 Rule: Multiply 2
- 2)** Find the next number in the pattern.  
 9 , 17 , 25 , 33 , 41 , 49 Rule: Add 8
- 3)** Find the next number in the pattern.  
 135 , 45 , 15 , 5 Rule: Divide 3
- 4)** Find the next number in the pattern.  
 5 , 20 , 80 , 320 , 1,280 Rule: Multiply 4
- 5)** Find the next number in the pattern.  
 3 , 6 , 12 , 24 Rule: Multiply 2
- 6)** Find the next number in the pattern.  
 75 , 65 , 55 , 45 , 35 , 25 , 15 , 5 Rule: Subtract 10
- 7)** Find the next number in the pattern.  
 1 , 9 , 17 , 25 , 33 Rule: Add 8
- 8)** Find the next number in the pattern.  
 6 , 12 , 24 , 48 Rule: Multiply 2
- 9)** Find the next number in the pattern.  
 2 , 11 , 20 , 29 , 38 Rule: Add 9
- 10)** Find the next number in the pattern.  
 55 , 46 , 37 , 28 , 19 , 10 , 1 Rule: Subtract 9
- 11)** Find the next number in the pattern.  
 25 , 21 , 17 , 13 , 9 , 5 Rule: Subtract 4
- 12)** Find the next number in the pattern.  
 405 , 135 , 45 , 15 , 5 Rule: Divide 3
- 13)** Find the next number in the pattern.  
 6 , 9 , 12 , 15 , 18 , 21 , 24 , 27 Rule: Add 3
- 14)** Find the next number in the pattern.  
 729 , 243 , 81 , 27 , 9 Rule: Divide 3
- 15)** Find the next number in the pattern.  
 64 , 32 , 16 , 8 Rule: Divide 2

**Answers**

- Ex. 2
1. 128
2. 49
3. 5
4. 1,280
5. 24
6. 5
7. 33
8. 48
9. 38
10. 1
11. 5
12. 5
13. 27
14. 9
15. 8



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

1024 , 256 , 64 , 16 , 4     **Rule: Divide 4**

Ex. 4

**1)** Find the next number in the pattern.

2 , 12 , 22 , 32 , 42 , 52 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

19 , 15 , 11 , 7 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

47 , 40 , 33 , 26 , 19 , 12 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

51 , 44 , 37 , 30 , 23 , 16 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

24 , 20 , 16 , 12 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

2 , 11 , 20 , 29 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

162 , 54 , 18 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

2 , 10 , 50 , 250 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

9 , 36 , 144 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

10 , 14 , 18 , 22 , 26 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

64 , 32 , 16 , 8 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

2 , 4 , 8 , 16 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

768 , 192 , 48 , 12 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

5 , 14 , 23 , 32 , 41 , 50 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

5 , 20 , 80 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 1024 , 256 , 64 , 16 , 4 Rule: Divide 4
- 1)** Find the next number in the pattern.  
 2 , 12 , 22 , 32 , 42 , 52 , 62 Rule: Add 10
- 2)** Find the next number in the pattern.  
 19 , 15 , 11 , 7 , 3 Rule: Subtract 4
- 3)** Find the next number in the pattern.  
 47 , 40 , 33 , 26 , 19 , 12 , 5 Rule: Subtract 7
- 4)** Find the next number in the pattern.  
 51 , 44 , 37 , 30 , 23 , 16 , 9 Rule: Subtract 7
- 5)** Find the next number in the pattern.  
 24 , 20 , 16 , 12 , 8 Rule: Subtract 4
- 6)** Find the next number in the pattern.  
 2 , 11 , 20 , 29 , 38 Rule: Add 9
- 7)** Find the next number in the pattern.  
 162 , 54 , 18 , 6 Rule: Divide 3
- 8)** Find the next number in the pattern.  
 2 , 10 , 50 , 250 , 1,250 Rule: Multiply 5
- 9)** Find the next number in the pattern.  
 9 , 36 , 144 , 576 Rule: Multiply 4
- 10)** Find the next number in the pattern.  
 10 , 14 , 18 , 22 , 26 , 30 Rule: Add 4
- 11)** Find the next number in the pattern.  
 64 , 32 , 16 , 8 , 4 Rule: Divide 2
- 12)** Find the next number in the pattern.  
 2 , 4 , 8 , 16 , 32 Rule: Multiply 2
- 13)** Find the next number in the pattern.  
 768 , 192 , 48 , 12 , 3 Rule: Divide 4
- 14)** Find the next number in the pattern.  
 5 , 14 , 23 , 32 , 41 , 50 , 59 Rule: Add 9
- 15)** Find the next number in the pattern.  
 5 , 20 , 80 , 320 Rule: Multiply 4

**Answers**

- Ex. 4
1. 62
2. 3
3. 5
4. 9
5. 8
6. 38
7. 6
8. 1,250
9. 576
10. 30
11. 4
12. 32
13. 3
14. 59
15. 320





**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

8 , 24 , 72 , 216 , 648 Rule: Multiply 3

Ex. 648

**1)** Find the next number in the pattern.

18 , 16 , 14 , 12 , 10 , 8 , 6 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

162 , 54 , 18 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

108 , 36 , 12 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

2304 , 576 , 144 , 36 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

1 , 5 , 9 , 13 , 17 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

8 , 18 , 28 , 38 , 48 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

1280 , 320 , 80 , 20 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

62 , 52 , 42 , 32 , 22 , 12 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

5 , 15 , 45 , 135 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

41 , 35 , 29 , 23 , 17 , 11 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

10 , 15 , 20 , 25 , 30 , 35 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

39 , 30 , 21 , 12 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

7 , 17 , 27 , 37 , 47 , 57 , 67 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

4 , 16 , 64 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

2 , 10 , 50 , 250 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

8 , 24 , 72 , 216 , 648 Rule: Multiply 3

Ex. 648

**1)** Find the next number in the pattern.

18 , 16 , 14 , 12 , 10 , 8 , 6 , 4 Rule: Subtract 2

1. 4

**2)** Find the next number in the pattern.

162 , 54 , 18 , 6 Rule: Divide 3

2. 6

**3)** Find the next number in the pattern.

108 , 36 , 12 , 4 Rule: Divide 3

3. 4

**4)** Find the next number in the pattern.

2304 , 576 , 144 , 36 , 9 Rule: Divide 4

4. 9

**5)** Find the next number in the pattern.

1 , 5 , 9 , 13 , 17 , 21 Rule: Add 4

5. 21

**6)** Find the next number in the pattern.

8 , 18 , 28 , 38 , 48 , 58 Rule: Add 10

6. 58

**7)** Find the next number in the pattern.

1280 , 320 , 80 , 20 , 5 Rule: Divide 4

7. 5

**8)** Find the next number in the pattern.

62 , 52 , 42 , 32 , 22 , 12 , 2 Rule: Subtract 10

8. 2

**9)** Find the next number in the pattern.

5 , 15 , 45 , 135 , 405 Rule: Multiply 3

9. 405

**10)** Find the next number in the pattern.

41 , 35 , 29 , 23 , 17 , 11 , 5 Rule: Subtract 6

10. 5

**11)** Find the next number in the pattern.

10 , 15 , 20 , 25 , 30 , 35 , 40 Rule: Add 5

11. 40

**12)** Find the next number in the pattern.

39 , 30 , 21 , 12 , 3 Rule: Subtract 9

12. 3

**13)** Find the next number in the pattern.

7 , 17 , 27 , 37 , 47 , 57 , 67 , 77 Rule: Add 10

13. 77

**14)** Find the next number in the pattern.

4 , 16 , 64 , 256 Rule: Multiply 4

14. 256

**15)** Find the next number in the pattern.

2 , 10 , 50 , 250 , 1,250 Rule: Multiply 5

15. 1,250

Answers



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

192 , 48 , 12 , 3    **Rule: Divide 4**

Ex. 3

**1)** Find the next number in the pattern.

45 , 36 , 27 , 18 , \_\_\_\_\_

1. \_\_\_\_\_

**2)** Find the next number in the pattern.

4 , 9 , 14 , 19 , 24 , 29 , 34 , \_\_\_\_\_

2. \_\_\_\_\_

**3)** Find the next number in the pattern.

7 , 9 , 11 , 13 , 15 , \_\_\_\_\_

3. \_\_\_\_\_

**4)** Find the next number in the pattern.

8 , 24 , 72 , \_\_\_\_\_

4. \_\_\_\_\_

**5)** Find the next number in the pattern.

71 , 61 , 51 , 41 , 31 , 21 , 11 , \_\_\_\_\_

5. \_\_\_\_\_

**6)** Find the next number in the pattern.

6 , 18 , 54 , \_\_\_\_\_

6. \_\_\_\_\_

**7)** Find the next number in the pattern.

4 , 13 , 22 , 31 , 40 , \_\_\_\_\_

7. \_\_\_\_\_

**8)** Find the next number in the pattern.

9 , 45 , 225 , \_\_\_\_\_

8. \_\_\_\_\_

**9)** Find the next number in the pattern.

512 , 128 , 32 , \_\_\_\_\_

9. \_\_\_\_\_

**10)** Find the next number in the pattern.

96 , 48 , 24 , 12 , \_\_\_\_\_

10. \_\_\_\_\_

**11)** Find the next number in the pattern.

54 , 18 , 6 , \_\_\_\_\_

11. \_\_\_\_\_

**12)** Find the next number in the pattern.

52 , 44 , 36 , 28 , 20 , 12 , \_\_\_\_\_

12. \_\_\_\_\_

**13)** Find the next number in the pattern.

11 , 9 , 7 , 5 , 3 , \_\_\_\_\_

13. \_\_\_\_\_

**14)** Find the next number in the pattern.

6 , 30 , 150 , \_\_\_\_\_

14. \_\_\_\_\_

**15)** Find the next number in the pattern.

5 , 8 , 11 , 14 , 17 , \_\_\_\_\_

15. \_\_\_\_\_



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 192 , 48 , 12 ,   3   Rule: Divide 4
- 1)** Find the next number in the pattern.  
 45 , 36 , 27 , 18 ,   9   Rule: Subtract 9
- 2)** Find the next number in the pattern.  
 4 , 9 , 14 , 19 , 24 , 29 , 34 ,  39  Rule: Add 5
- 3)** Find the next number in the pattern.  
 7 , 9 , 11 , 13 , 15 ,  17  Rule: Add 2
- 4)** Find the next number in the pattern.  
 8 , 24 , 72 ,  216  Rule: Multiply 3
- 5)** Find the next number in the pattern.  
 71 , 61 , 51 , 41 , 31 , 21 , 11 ,   1  Rule: Subtract 10
- 6)** Find the next number in the pattern.  
 6 , 18 , 54 ,  162  Rule: Multiply 3
- 7)** Find the next number in the pattern.  
 4 , 13 , 22 , 31 , 40 ,  49  Rule: Add 9
- 8)** Find the next number in the pattern.  
 9 , 45 , 225 ,  1,125  Rule: Multiply 5
- 9)** Find the next number in the pattern.  
 512 , 128 , 32 ,   8   Rule: Divide 4
- 10)** Find the next number in the pattern.  
 96 , 48 , 24 , 12 ,   6   Rule: Divide 2
- 11)** Find the next number in the pattern.  
 54 , 18 , 6 ,   2   Rule: Divide 3
- 12)** Find the next number in the pattern.  
 52 , 44 , 36 , 28 , 20 , 12 ,   4   Rule: Subtract 8
- 13)** Find the next number in the pattern.  
 11 , 9 , 7 , 5 , 3 ,   1   Rule: Subtract 2
- 14)** Find the next number in the pattern.  
 6 , 30 , 150 ,  750  Rule: Multiply 5
- 15)** Find the next number in the pattern.  
 5 , 8 , 11 , 14 , 17 ,  20  Rule: Add 3

**Answers**

- Ex.   3
1.   9
2.  39
3.  17
4.  216
5.   1
6.  162
7.   49
8.  1,125
9.   8
10.   6
11.   2
12.   4
13.   1
14.  750
15.  20